Avocent®

CYCLADES ACS 5000 SERIES

ADVANCED CONSOLE SERVER

SECURE, REMOTE CONSOLE MANAGEMENT SOLUTION

Cyclades ACS 5000 Series

Advanced Console Server

Challenge

As data centers grow in size and complexity, keeping IT infrastructures fully operational while lowering costs has never been more important. With IT infrastructures evolving to include geographically dispersed data centers comprised of hundreds or thousands of IT assets, and increased compliance demands, the cost of maintaining and managing these assets can become overwhelming. To reduce operational costs, facilitate compliance and ensure round-the-clock service availability, you need effective and reliable out-of-band management to securely access, diagnose and restore disconnected or failed IT assets quickly.

Avocent Solution

Business stops when the IT production network is down or an IT asset is not responding. In-band management tools alone cannot correct the problem. Administrators often need out-of-band management tools to troubleshoot and restore IT assets across the enterprise, whether the IT assets are close at hand or far away. Out-of-band management tools by Avocent include Cyclades® ACS advanced console servers, DSR® switch appliances, Cyclades PM intelligent power distribution units (IPDUs) and MergePoint® 5200 Series of service processor managers, all controlled by DSView® 3 management software. The Avocent solution integrates these products into a comprehensive, remote management system with enterprise-class security and a single, consolidated user interface.

Decrease IT Operational Costs and Increase IT Productivity

Effective out-of-band management reduces IT operational costs and risks while increasing IT asset and personnel productivity. Out-of-band management tools by Avocent enable administrators to access and troubleshoot IT assets even if the production network is down.

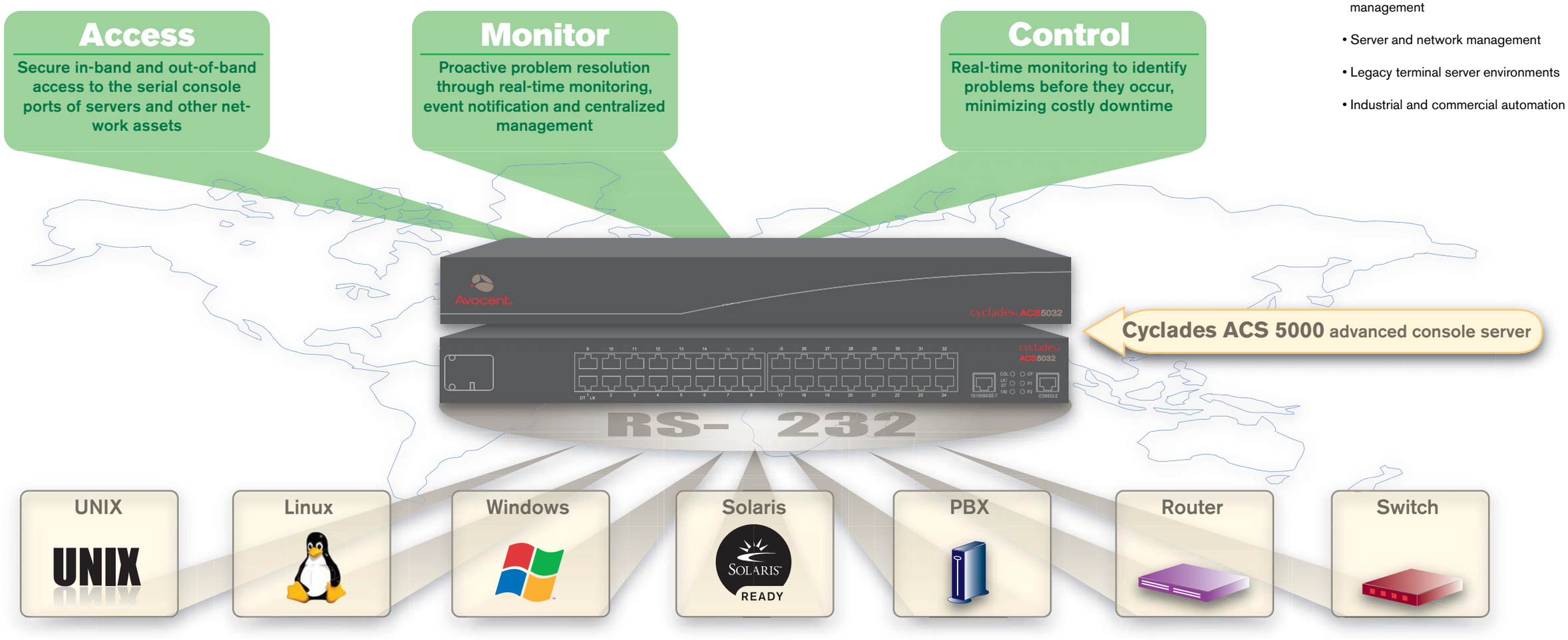
Cyclades ACS 5000 Series Advanced Console Server

Cyclades ACS 5000 Series console servers integrate advanced technologies, adaptive services and secure enterprise communications to provide IT professionals with secure, remote access and management of IT assets from anywhere, anytime. Available in 4-, 8-, 16-, 32- and 48-port models in 1U form factor, with AC, Single Power Supply options, Cyclades ACS 5000 Series console servers gives IT professionals and network operations center personnel the ability to perform secure remote data center management and out-of-band management of IT assets from anywhere in the world.

Cyclades ACS 5000 console servers provide integrated centralized management with DSView 3 software and support for third-party power integration at a competitive price point. A more robust advanced console server, Cyclades ACS 5000 features data buffering, direct access methods to the serial ports, and event notification to improve monitoring capabilities, speed problem resolution and ensure greater system availability.

Applications

- Secure console and power management
- Server and network management
- Legacy terminal server environments
- Industrial and commercial automation



Securely access and manage network assets and IT assets from anywhere, anytime.

Connectivity and Remote Management

Anytime, anywhere access to monitor and control IT assets for optimal performance and network availability.

- In-band access via Telnet and SSH server
- Secure out-of-band access via PPP, dial and terminal ensures networked devices are always accessible, even when individual devices (such as a switch or router) fail
- Provides a choice of serial port counts so user can select the model that best fits their data center needs
- Supports Mind Term Java Applet that delivers advanced features such as tunneling support, file transfer GUI and support for HTTP and SOCKS proxies

Ease of Use

Easy configuration and management to access data center systems and network devices with command line, Web and SNMP interfaces.

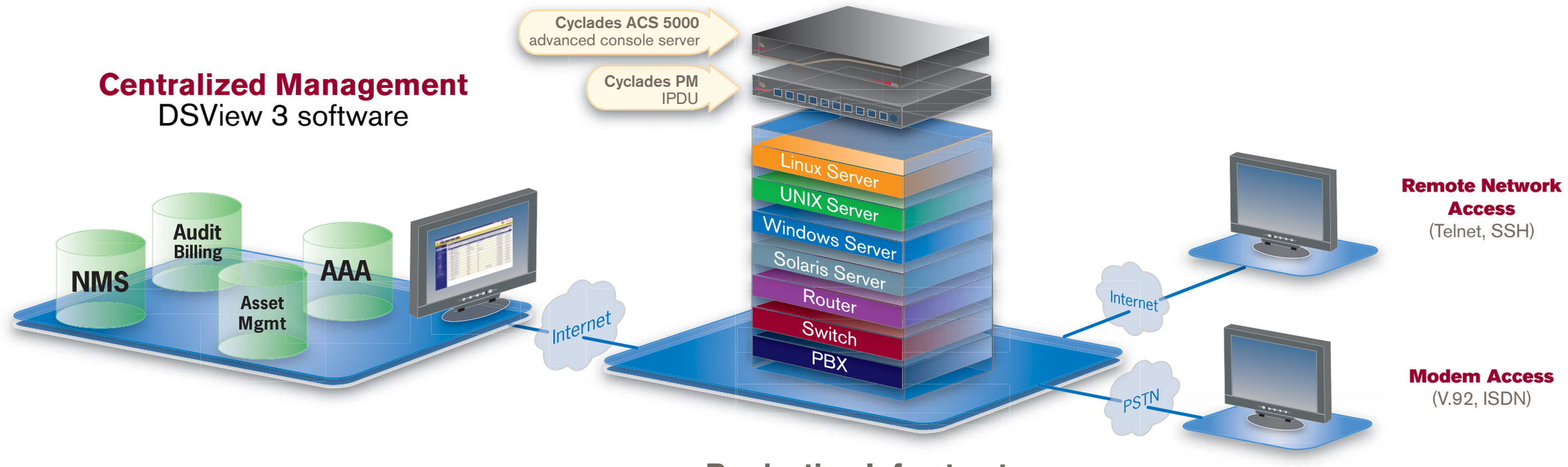
- Web interface access using HTTP and HTTPS
- Command line access via SSHv1, SSHv2 and Telnet
- Standard Linux tools for configuration files edition
- SNMP – V1, V2 and V3
- Data Buffering and Event Notification
- Per port user access restrictions

Cyclades ACS 5000 Advanced Console Server Features

Centralized Management and Integrated Power Control

Enterprise-level scalability with centralized management for power control, security, administration, maintenance and upgrades.

- View consolidation and control of all IT assets from one single Web-based interface via DSView 3 software
- Centralized configuration, change control and upgrade of system firmware
- Easy-to-use Web management interface
- Automated discovery of connected servers, and network equipment such as routers and switches, and security appliances that are being monitored
- Seamless integration with power management for integrated viewing, configuring and management of power ports



Productivity and Cost Savings for Increased Efficiency and Profitability

System administrators can pinpoint problems before they escalate, minimizing and often avoiding costly downtime.

- Continuous online and offline data logging with time stamps for regulatory compliance and easy troubleshooting
- Automatic event tracking and notification of fault conditions
- Easy collaboration and training with session sharing
- Secure, remote power management with remote reboot
- Easy maintenance with backup and restore of device configurations
- Reduced need for POTS lines with PPP and IP forwarding
- Easy and simple cabling with structured wiring and CAT5 cabling

Security

Enhanced Security Framework provides integration with existing security infrastructure and support for enterprise security standards.

- Authentication with industry standard authentication servers (including RADIUS, LDAP, Active Directory, TACACS+ protocols)
    - Strong user authentication using Two-Factor Authentication with RSA SecurID
    - Device authentication using certificates and host key
    - Dial-up authentication for remote access
    - PPP, PAP/CHAP authentication (for dial-up)
- Accounting with local and remote data logs, audit trails and event logs, enabling secure auditing and easy troubleshooting
- Advanced session management with inactivity time out, preemption, terminate and monitor features
- Physical security by monitoring the data carrier detect (DCD) signals of serial ports to alert users of potential physical connectivity and network problems

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